

CLAIMS

1. An electric power system for a collective area of a plurality of electric power consumers which system has means for remotely measuring the total amount of electric power consumption in a single electric power consumer section of the collective area of the electric power consumers by connecting an electric power meter provided in the single electric power consumer section with a remote management base, the electric power meter being provided individually for each electric power consumer section,

the electric power system comprising:

means for individually interrupting a plurality of electric power distribution lines in the single electric power consumer section by remote operation from the remote management base; and

means for setting the limit amount of electric power consumption which amount is equal to or less than a maximum electric power capable of being supplied to the single electric power consumer section; means for setting an order of electric power distribution priority of the plurality of electric power distribution lines; and means for issuing an instruction for performing interruption of an electric power distribution line which is in a current carrying state and has the lowest order of electric power distribution priority based on the order of electric power distribution priority setting

when a remote measurement value of the total amount of electric power consumption becomes equal to or larger than the set value of the limit amount of electric power consumption.

2. An electric power system for a collective area of a plurality of electric power consumers which system supplies electric power to a single electric power consumer section of the collective area of the electric power consumers from a power source via a plurality of electric power supply lines, and which system has means for remotely measuring the total amount of electric power consumption in the single electric power consumer section by connecting an electric power meter provided in the single electric power consumer section with a remote management base, the electric power meter being provided individually for each electric power consumer section, the electric power system comprising:

means for individually interrupting a plurality of electric power supply lines for the single electric power consumer section by remote operation from the remote management base; and

means for setting the limit amount of electric power consumption which amount is equal to or less than a maximum electric power capable of being supplied to the single electric power consumer section; means for setting an order of electric power supply priority of the plurality of electric power supply lines; and means for issuing an instruction for

performing interruption of an electric power supply line which is in a current carrying state and has the lowest order of electric power supply priority based on the order of electric power supply priority setting when a remote measurement value of the total amount of electric power consumption becomes equal to or larger than the set value of the limit amount of electric power consumption.

3. An electric power system for a collective area of a plurality of electric power consumers which system supplies electric power to a single electric power consumer section of the collective area of the electric power consumers from a power source via a plurality of electric power supply lines, and which system has means for remotely measuring the total amount of electric power consumption in the single electric power consumer section by connecting an electric power meter provided in the single electric power consumer section with a remote management base, the electric power meter being provided individually for each electric power consumer section,

the electric power system comprising:

means for individually interrupting a plurality of electric power supply lines for the single electric power consumer section by remote operation from the remote management base; and

means for individually interrupting a plurality of electric power distribution lines in the single electric power

consumer section by remote operation from the remote management base; and

means for setting the limit amount of electric power consumption which amount is equal to or less than a maximum electric power capable of being supplied to the single electric power consumer section; means for setting an order of electric power supply priority of the plurality of electric power supply lines; means for setting the order of electric power distribution priority; means for setting an order of interruption of electric power supply-distribution for selectively interrupting either the lowest order of electric power supply priority or the lowest order of electric power distribution priority; and means for issuing an instruction for interrupting, by means of the remote interruption means, either a line which is in a current-carrying state and has the lowest order of electric power supply priority or a line which is in a current-carrying state and has the lowest order of electric power distribution priority based on the setting of the order of interruption when a remote measurement value of the total amount of electric power consumption becomes equal to or larger than the set value of the limit amount of electric power consumption.

4. The electric power system according to claim 1, claim 2, or claim 3, further comprising:

means for determining the total sum of the remotely

measured total amounts of electric power consumption of the electric power consumer sections;

means for determining the total sum of the set limit amounts of electric power consumption of the electric power consumer sections; and

means for sending to the Internet the total sum of the total amounts of electric power consumption and the total sum of the limit amounts of electric power consumption.

5. The electric power system according to claim 4, further comprising:

means for interrupting, by remote operation from the remote management base, an electric power supply line for a shared portion which is in the collective area and in which a usage fee of electric power is shared by the plurality of electric power consumers; and

means for issuing an operation for interrupting the electric power supply line for the shared portion by the remote interruption means based on the total sum of the total amounts of electric power consumption and the total sum of the limit amounts of electric power consumption.

6. The electric power system according to claims 1 to 5, wherein

the collective area of the plurality of electric power consumers is collective housing composed of a single or a plurality of buildings,

the plurality of electric power consumers are residents of the collective housing, and the electric power consumer section is a single residence section of the resident.